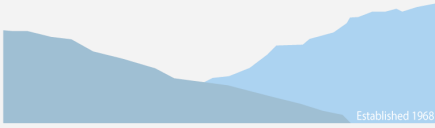


Cracklin' Static

April 2023 Edition



SIERRA NEVADA
Amateur Radio Society

**In-person and virtual
meeting
April 1,
8 AM. For details see
pg 5 ...**

SNARS NET on DMR – Tuesdays 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury Closing Balances As of 3-24-23

Operating	\$5,950
Convention	\$4,151
Self Insurance	\$17,000
Savings	\$13,000
PayPal	\$974
Total	\$41,076

Net Income / Year	\$2,003
Net Income / Month	\$539 Feb.

Memberships 15

Donations	
Amazon Smile	\$45
PayPal Giving	\$11
Members	\$750
Total	\$806

SNARS Membership as of 3-25-23

Extra	135	32%
Technician	134	32%
General	128	31%
Advanced	14	03%
No License	6	01%
Total	417	

SNARS ARRL Members as of 3-25-23

Regular	274	66%
Life	37	9%

PRESIDENT'S VOICE

SNARS PRESIDENT BARRY BETTMAN, K6ST

Welcome to almost the beginning of springtime in the Sierras, although mother nature might not agree with all the storms that keep coming in.



Save the Dates ... SNARS has many new events coming up in the next few months, be sure to put them on your calendar and consider helping out the club.

(1) Reno Expo: Wednesday, May 29th - Sunday, April 2nd
<https://snars.org/activities/off-road>

(2) Mark Twain Days with W1AW/7: Saturday April 22nd - Sunday, April 23rd
<https://docs.google.com/forms/d/e/1FAIpQLSevnoSFXitaTCjbQwk4jjlRntWu7bwdmNoBulyaVijepKKGJw/viewform>

(3) Show N' Shine with 7QP: Saturday, May 6th
<https://docs.google.com/forms/d/e/1FAIpQLSf1NWg27hHL3Tw67PTdbTcwLL8PxKuFsYBn4Qvj0qldIIONMQ/viewform>

(4) Reno Ham Swap: Saturday, May 13th
<http://renohamswap.com/>

(5) SNARS Member Appreciation Picnic: Sunday, May 21st
Email k6st@arrrl.net to help out

SNARS Monthly Meeting in March had planned for this speaker, however, it is rescheduled for April 1st: The solar cycle is coming alive and we have a special guest speaker Dr. Scott McIntosh, Deputy Director of the National Center for Atmospheric Research who will be presenting on the topic **"Sunspot Cycle 25: The Path to Max"** at the upcoming hybrid SNARS Monthly Meeting on April 1st.

10 and 15 Meters continue to be open worldwide on all modes. CW is also one mode that is having a lot of interest within SNARS. Woody K1LB skywavevoyager@gmail.com in Reno, has been getting a lot of hams registered in the "SNARS Morse Code CW Mentored Learning Program" to help you get on the air with CW. Feel free to see the article below in this newsletter for more information.

73 my friends, and ...

See you on the air, K6ST Barry k6st@arrrl.net



Stay Safe SNARS

Stay Safe SNARS, and leave any contagions away!!!

After what happened at the last SNARS monthly meeting on Sat February 4, 2023 we need to pay more attention to both ourselves AND others around us! ***There have been 6 reports from people attending the meeting who tested positive for Covid. That is 18% of the total at the meeting.***

THIS IS NOT ACCEPTABLE

We don't and won't know just how/who brought it to the meeting, but it arrived there anyway! So, let's all pay more attention to how we are feeling before we head out.

Stay Safe SNARS protocol - leave any contagions away:

1. If you're **feeling ANYTHING out of the ordinary**, a tickle in the throat, stomach not quite right, or anything else, does not have to be Covid related, there are colds, flu etc., out there.
2. **then PLEASE, do not come to any in-person meeting.**

Stay Safe SNARS let's not spread something around to others again!!!



PO BOX 7727 Reno NV 89510
Yearly Dues: \$40.00 Individual • \$50.00 Family
775.453.4142 <http://snars.org>

2023 Officers

President..... Barry Bettman, K6ST
Vice-President..... Brian Verhalen, KJ6EAC
Treasurer..... Doug Edmondo, W7DBE
Secretary..... Anthony Marcin, W7XM
Director John Byerly, N7ROJ
Director Jim Shepherd, W6US
Director Krystal Nelson, AJ6GC

2022 Staff

Cracklin Static Howie Holden, WB2AWQ
W7TA Trustee Peter DeBay, KE7VSR
KR7ENO Trustee..... Howie Holden, WB2AWQ
Control Operator Pat Sheehan, W7DED
Youth Involvement..... Barry Bettman K6ST
NVQSO Coordinator..... Jim Shepherd, W6US
Historian Jon Fox, KF7KTC
Tech Team Lead Pat Sheehan, W7DED
Membership Kim Farnham, KG7TMA
PIO Greg Krantz, NT7Q
VE Coordinator..... Krystal Nelson, AJ6GC
Meeting Greeter Bill Jones, AE7OX
Noon Net Manager Wes Vick, KG7QXE
DMR Net Manager Anthony Marcin, W7XM
Reno Ham Swap Wes Vick, KG7QXE
Webmaster Erik Andreasen, K6CZH
Club Sales Manager..... Vacant
Recording Secretary..... Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden **WB2AWQ** - holden7471@msn.com
Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Cracklin' Static is published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday (or whichever Saturday is the meeting) of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Offline
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 - PL 123.0	Lovelock, Fallon	Not Linked
146.670 - PL 123.0	Winnemucca	Not Linked
444.875 + PL 100.0	Yerington	Not Linked
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Online

Fusion Systems

146.610—DGID 28	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Not Linked
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Offline

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online

 Online  Offline  Not Linked

Visit <https://snars.org/repeaters/analog> for additional updates/status on repeaters.

Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

SNARS Noon Net	Mon—Fri @ 12:00pm
ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday @ 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Weak Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

Join us on SNARS Telegram Channel



Telegram

a new era of messaging

Visit <https://snars.org/telegram>

Our official channel for members to communicate with each other via chat, ask questions and get the latest information about the club, repeater status and amateur radio events.



SNARS Weekly DMR Net

Tuesdays 8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

SNARS Board Meeting Wednesday, April 11, 6:00PM. Location and mode Chin Chin, Sparks, and Zoom

HAM RADIO NIGHT on Zoom 7:00 PM

Monday, April 17, see

<https://snars.org/hamradionight/>

Reno QRP Group Meeting Tuesday, April 18, 11am – 12pm, Jack's Coffee Shop #2, 605 N Wells Ave, Reno, NV. Contact Ed, WD7Y WD7Y@sbcglobal.net for more info. If cancellation is needed, will be announced on the SNARS noon net.

Mark Twain Days with W1AW/7: Carson City Saturday April 22nd - Sunday, April 23rd 8 AM to 6 PM

<https://docs.google.com/forms/d/e/1FAIpQLSevnoSFXitaTCjbQwk4jilRntWu7bwdmNoBulyaVijepKKGJw/viewform>

Next months SNARS Breakfast Meeting, May 6, 8 AM. Location and media mode tentative, depending on Board decision.

WELCOME NEW MEMBERS

As Of March 25, 2023

Alastair	Westgarth	KN6YQG
Matthew	DeBurle	KK7IRK
Christian	Anderson	KK7KSG
Tracy	Olson	AA7TO

Member Benefit: SNARS ONLINE HAM SWAP

<https://snars.org/hamswap>

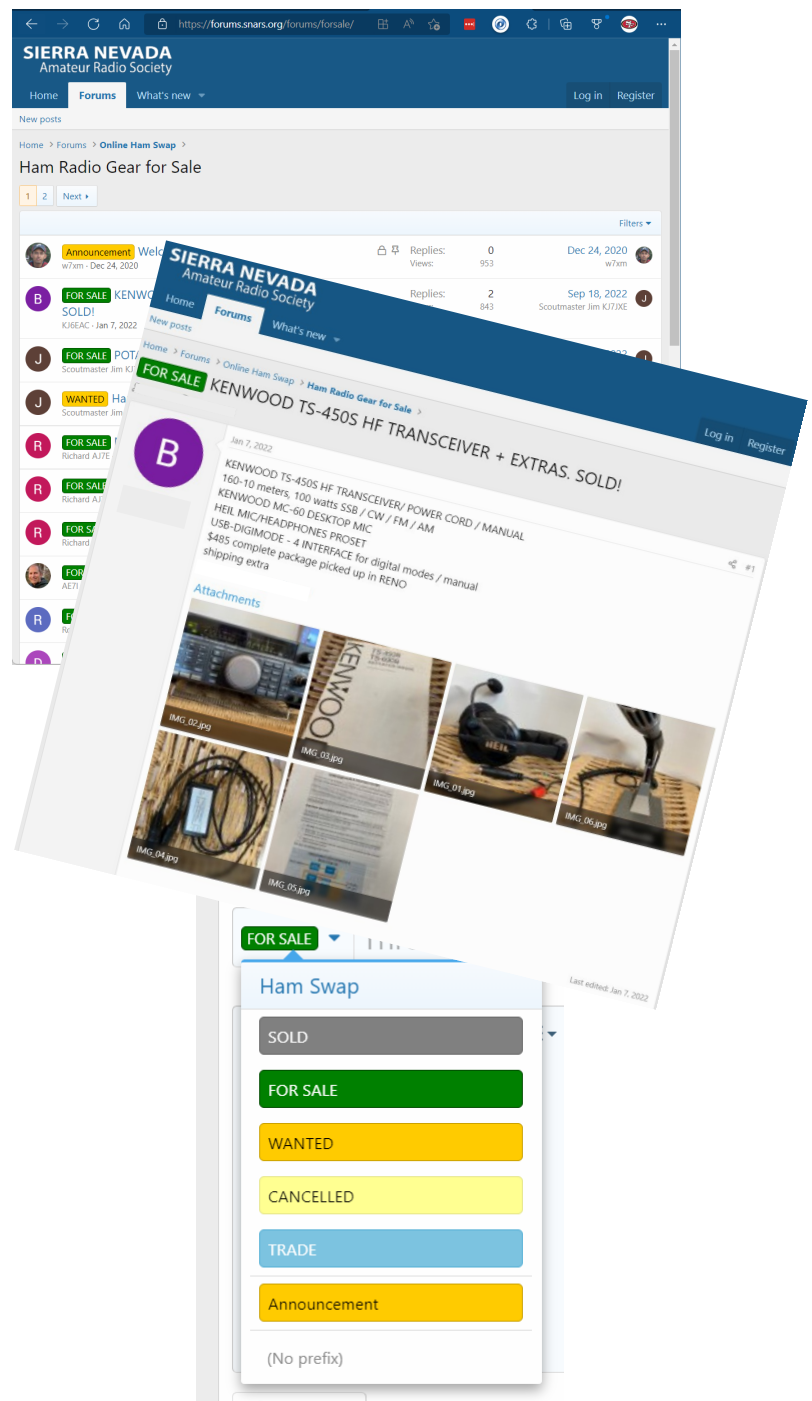
A SNARS members only benefit: We offer members a way to swap gear online and locally throughout the year. The online Ham Swap page provides members an option to list your gear, photos and descriptions for anyone to view.

You can find the swap page by either visiting <https://snars.org/hamswap> or locate the link at the top menu of the SNARS website labeled “Ham Swap”.

General Steps to posting a listing:

- 1.) Using your SNARS account (your_call@snars.org) click the Log in button at the top right. If you don't have a SNARS Account please request one to be set-up by sending an email to membership-team@snars.org.
- 2.) Click the “Post thread” button at top right.
- 3.) Select the post type “For Sale, Wanted, etc.” by clicking the down arrow button left of the title box.
- 4.) Type in a title for your items.
- 5.) Type in the message of any description of the items, condition of items and the best way to contact you. You may also post images of the items (recommended).
- 6.) Once you have completed the post click on “Post thread”.
- 7.) Your posting will now appear for all to view.

Note: you may visit the post anytime to update items and or change the status from for sale to sold by clicking the edit thread button under the three dots button and click edit thread, then click on the down arrow to choose the thread type to Sold or any other status.



If you have any questions about this member benefit please contact us at membershipteam@snars.org

SNARS In-Person and Virtual Monthly Meeting

**SNARS Monthly Meeting
(hybrid in-person & virtual Zoom)**

Saturday, April 1, 2023

In-Person 8 AM PDT (coffee and donuts)

SNARS Meeting at 9 AM both Zoom and in-person

In-Person @ Regional Public Safety Training Center (5190 Spectrum Blvd, Reno) - or - join us via Zoom

In Person location (no registration, just show up)

Regional Public Safety Training Center

5190 Spectrum Blvd, Reno

Room 103 and 105

PRESENTATION:

**Sunspot Cycle 25: The Path to Max" with Dr. Scott McIntosh,
Deputy Director of the National
Center for Atmospheric Research**



**MEETING
NOTICE!**

...in Boulder, CO. Scott has over twenty years of experience in solar and astrophysical research. He has authored or co-authored over one hundred and fifty articles in peer-reviewed journals, with fifty-two as first author, including twelve high-profile papers in journals like Nature and Science. His current "H- index" of forty-six [>9,000 citations] covers subjects in solar physics, space weather research, atomic physics, and instrument development.

To join via Zoom, register here:

https://us06web.zoom.us/meeting/register/tZEpciorDwjHdEt8N_TDCRYBEZo0f7CXJSx

Questions? Contact Barry K6ST@arrl.net

More Info In-Person / Register Zoom: <https://snars.org/monthly-meeting/>

THE NAME OF THE GAME

By Jim Shepherd, W6US

7th AREA QSO PARTY

The 7QP is an amateur radio QSO party, held annually on the first Saturday in May. That's May 6 this year. The stations of the US 7th call area (Arizona, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming) become "the pursued", and the rest of the US, Canada, and the world tries to work as many of us, on as many bands/modes as possible, over an 18-hour period commencing at 6:00am PDT (1300 UTC) and running to Midnight local time (0700 UTC). The idea is to work as many 7 stations by the rest of the world, and for those of us in the 7 call area to work as much of the rest of the world as you can. 160, 80, 40, 20, 15, and 10 meters are the bands to use. There are 259 counties in the 7th call zone available to all.

This year, we are again going to have a QSO party of our own in October, and the 7QP will be an excellent opportunity to get some practice in before our big party!

Operate from home, mobile, or dust off the Field Day gear and get on the air from a rare county or a county line where you can operate from two or more counties at once and get extra points! There are 54 multi county locations in Nevada not counting the stateline locations with the other 7th area states. Please plan on making a few or a whole bunch of contacts, just be sure to mark May 6 on your calendar! Yes, that is the SNARS meeting date, but you can work the contest the rest of the day.

We are trying to get all 17 Nevada counties on the air. Go portable and blow the carbon out of the generator or stay home and try out that new wire antenna. Or you can go mobile and activate several counties in your area. Visit the 7QP website: www.7qp.org for additional information and the full rules. May is a good time for an early camping trip out to some of the less populated rural counties. Humboldt, Mineral, Nye, Carson, Elko, Lincoln, and Eureka counties can really use some help with contacts. You can work these from county line locations along I-80 or other highways across the state, and make twice the contacts at once. The free campgrounds at Walker Lake will give you some spectacular views, wildflowers, bighorn sheep, and you can use the lake for a big "radial field" giving you an excellent signal to the east where you will make most of your contacts. Do not overlook the junctions of Nevada counties and other '7' states for interesting expedition operations.

Contacts can be made using SSB, CW, and Digital modes and each mode counts as a different contact. You can also contact the same station on different bands for credit. You can use 160, 80, 40, 20, 15, and 10 meters.. CW and digital contacts will be highly appreciated as the CW count 3 points and the digital modes count 4 points... PSK31 and RTTY will be the best way to go to get those extra QSO points, sorry you can't use the WSJT-X modes. All the counties in Nevada can use more CW and Digital operations for this contest. Those members of QCWA and those taking the CW Mentoring program that SNARS is offering also need to activate all the counties on CW with lots of operations. The more stations active in each county on different modes will make a better contest for everyone. Don't worry if you see someone else has signed up for a county, all of our counties are big enough for lots of operations!

Countyline expedition operations are especially welcomed! With a

good antenna, you will have the opportunity to make tons of contacts. There are 35 spots where 3 counties come together, with most having roads within 500'. Others will require some hiking and would be best for QRP operation like you would do for SOTA. Incidentally, if you are at a location that qualifies for SOTA or POTA, you can give that information at the same time to get an activation! If you are interested in setting up a countyline operation, please contact me as I have a list of really good spots! For example, there is a little hill that a road crosses that combines two low activity counties that will make a good weekend stay with the possibility of finding some petrified wood samples.

If you plan to participate, even for a little while, do two things. First, you can see the activity on the [Planned Operations](#) tab on the 7QP page. Then, send your projected operation location(s) to 7qpops@codxc.org giving them information on modes and if you will be a mobile (rover) station. That way they can track the counties that will be covered and we can try to find someone to go out to the counties that are not. Even if the county is covered, digital and CW operators are really encouraged to also go out there... Second, email them a copy of your log when you are finished. Either Cabrillo (preferred) or ADIF format will work. Even better, use their new web entry site at <https://7qp.contesting.com/> Your log helps them score the contest and automatically enters you – no summary sheet required for email or web entries. See their webpage for more information on uploading your log. You will need to send in your log by May 17.



The exchange is easy... Just give a '59' signal report and if you are operating in the 7 call zone, your county code. For Washoe, it is NVWAS, for Storey, it is NVSTO... If you are outside of the 7 call zone, you give a '59' signal report and your 2 digit state abbreviation. There are special rules for county line stations, and you may get a report from one of the eastern states that are also having a QSO party. Be sure to give the 5 digit county abbreviation, i.e. NVCAR, and give it phonetically on phone. Also be sure to give your callsign with each exchange, especially if you are running. See the complete rules on their website for more information and a full list of county abbreviations. For a countyline station your report would be like "59 NVHUM/ELK" and phonetically that would be "59 November Victor Hotel Uniform Mike SLASH Echo Lima Kilo"

There are a couple of other QSO parties that weekend so there is a lot of activity. The N1MM Logger will handle all of the contests at the same time so you only have to send copies of your Cabrillo log to each of the different sponsors. New England, Indiana and Delaware are currently the other states—be sure to check their rules if you intend to play with them. Also, be sure to update your copy of N1MM so that it has the latest version. There are ways to log all 4 contests correctly since there will be lots of activity on the bands.

In October, we will have the Nevada QSO party and we will need veteran operators in all the counties and on all of the modes. We will have a special VHF class that will allow the use of repeaters which will get a lot more people involved. Check out our website at <http://nvqso.com/> and look for updates over the coming months.

Nevada is a semi-rare state and some of the counties are very hard to work. These two contests will help to fill some holes in the log-books. A good turnout for the 7QP will help with increased participation for our NVQSO Party and will show the world that we actually have active hams here in Nevada!

SNARS VOLUNTEERING

Volunteering continues within the club as we have many new events as SNARS ramping up in spring-time that welcome additional help from members over the months to come. I'd like to thank the SNARS / Reno Moto Expo team led by Don Tucker KK7BKW with many volunteers: Douglas Edmondo W7DBE, Rick Sweeney K9THO, Lu Sweeney KK7HJZ, Tyler Maggert K7TDM, Eugene Wiedenbeck KB7JZO, Howard Hill KE6QHK, Ray Ritch KK7BVH, Barry Bettman K6ST, Amy Rasmussen K0AMY, Roger Huff KT6RYB, John Truesdell K7TET, Brian Verhalen KJ6EAC, Wes Vick KG7QX Gary Carman WJ9T, and Tony Baker W7TKB.

And even more events needing volunteers: Mark Twain Days with W1AW/7, Show N' Shine with 7QP, Reno Ham Swap, and SNARS Member Appreciation Picnic.

Please feel free to reach out to me to see how you might be of service to the club. With great appreciation, K6ST Barry SNARS President k6st@arri.net



SHORT TAKES (By Jim Shepherd W6US)

CONTEST CALENDAR

The ARRL SSB Rookie Roundup contest on April 16 from 1800z to 2359z is a good place to try out contesting. The State QSO Party contests number 11: LA, MS, MO, NM, GA, NE, MI, ONT, ND, QC, and FL. I received a notice for the Quebec (QC) contest and it was in French, however most of the hams up there will give their reports in English, c'est bon! (that's good)... These and other contest information can be found at:

<https://www.contestcalendar.com/contestcal.html>

DX

Some of the better operations will be from Mayotte, Monaco, Ugan-

da, and Maldives. With 10m open, you can hear lots of other DX stations, especially South America where it should be easy to work every country on that continent. More information can be found at <https://www.ng3k.com/Misc/adxo.html>

THIRD MONDAY ZOOM HAM RADIO NIGHT

We will have our popular Ham Radio Nights via ZOOM to get your questions answered. It will be held at 7pm on Monday, April 17th. Some of the items discussed will be the upcoming activation of W1AW/7 here in Nevada for the VOTA and the 7QP. More information, including the link will be published before that date.

NAME THAT RIG?

(Answer on page 12)



W7SSB's FUN STUFF

WAYNE GREEN



Wayne Green, W2NSD, was one of the great thinkers of our times. He was controversial on many topics !

He passed away in Peterborough NH. (1922 - 2013).

He championed many of the technology advances in ham radio, including the adoption of single sideband (SSB) for HF voice, and FM via repeaters on VHF and UHF. He installed one of the first 2-meter FM repeaters in New England. 73 magazine included lots of construction articles in the early years of the IC industry, often featuring interesting new chips hitting the market including phase-locked loops, timers, tone decoders, and the like. Wayne was openly critical of the ARRL, and provided a counterpoint to pretty much everything the league did. His editorials, often lengthy and rambling, were polarizing. Readers either completely agreed or completely disagreed. Nobody was in the middle.

Great tribute to Wayne Green:

<https://www.youtube.com/watch?v=0JXYWnalzOg>

Wayne was a pioneer in the micro computing publishing industry as well as amateur radio.



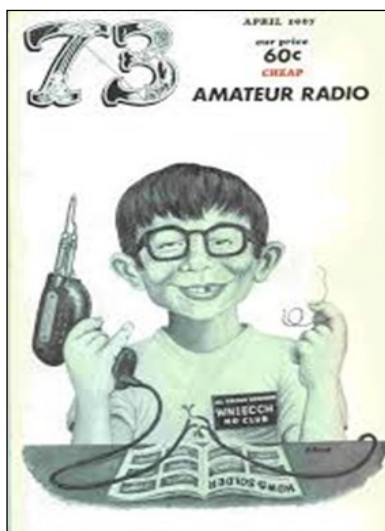
In his editorial in the inaugural issue of 80 Microcomputing he said, "The first magazine I published was in 1952 about amateur radio Teletype. Later I became editor of CQ, a ham radio magazine. I started my own magazine for hams in 1960, that was 73 magazine. 73 is now the world's largest ham publication, with subscribers in over 200 countries.

When MITS put the first microcomputer kit on the market in 1975 I organized and did most of the work to get Byte magazine started. When I felt there was a need for a magazine aimed at beginners in computing, I started Kilobaud Microcomputing in January 1977." [4]

In the early 1980s, he assisted in the creation of the Brazilian [microcomputing](#) magazine, [Micro Sistemas](#) (in Portuguese). [5] He sold five of his magazines to [CW Communications](#) in 1983, [6] and his publishing company Wayne Green, Inc. subsequently merged with them. [7]

Licensed by [the Federal Communications Commission](#) in the Amateur Radio Service with the callsign W2NSD, [8] he was involved in a

number of controversies and disputes in the Ham Radio world, notably with the ARRL and CQ magazines. Such controversies also occurred in the computer world; an advertisement for 80 Micro began "You may love Wayne Green ... you may hate him ... but you have to admit he has vision". It promised that the magazine would "tell you the truth" because "Wayne Green has never been one to mince words", adding "of course, 80 Microcomputing has the editorial fireworks from Wayne that the industry has come to expect". In his editorial in the inaugural issue of 80 Microcomputing, he said, "My outspokenness aggravates a lot of people, but...if I don't kick ass...I don't get results."



He used the [backronym](#) "Never Say Die" for the NSD in his amateur callsign. As of 2011 he lived in his wife's farmhouse in Hancock, New Hampshire and maintained a website with content from his online bookstore. All issues of 73 magazine can be found here:

<https://archive.org/details/73-magazine>

One of the great traits about Wayne was that he made us think about many subjects

https://archive.org/details/RAIN_Report_1999-02_The_Good_Old_Days_Wayne_Green_W2NSD

Wayne was one of a kind! R.I.P. You are missed!

Stay Tuned !

W7SSB



W1AW/7 UPDATE

We now have at least one operation per day on the HF bands for the week, but we do not have all the time slots, modes, and bands covered. The Swing (evening) shift is a great time to get on the 40, 80, and even the 160 meter bands and there are lots of slots that are vacant. Graveyard shift is also a good one with some excellent propagation to Asia during the dark hours and Europe, eastern US, and the daylight portions of the southern hemisphere. Greyline operations on both of these shifts will yield some good results. CW and Digital slots are also very open during the week.

Signing up is easy. On the SNARS.org website, you can click on the "Activities" tab and then on the "W1AW/7" and it will step you through using the <https://ok.arrl.org/w1awnv/> website. You can check to see if your desired slot is filled by clicking on the "Display Slots Selected By Day" which will show the currently assigned ones, and all of the rest are available. There are 54 time/mode/band slots available each day on the HF bands, and a huge number on the VHF+ SIMPLEX bands—but remember, you cannot use repeaters or internet connections.

This weeklong operation starts on Wednesday, April 19 and runs to April 25 from 0000z to 2400z each day. This will be a lot of fun, and it is rumored that there may be some special recognition for those operators who participate besides making lots of contacts. The only requirements are the appropriate license class for your operation, an HF rig capable of 100 watts or more, a good antenna, and computer logging capability. If you have any questions, contact Jim W6US at nvjims@gmail.com Sign up and have fun with us!!!

SNARS MEMBER IS RUNNING FOR ARRL NEVADA SECTION MANAGER

Jim Shepherd, W6US, is one of the nominees for the position of Nevada Section Manager. Jim is very active with SNARS, helping out as a Director, and with programs like Field Day, the Nevada QSO Party, NVCON, Ham Radio Mentoring Night, and writing for the Cracklin' Static. He has been a ham for 31+ years, originally licensed as N7WVZ and is currently an Extra Class. He has been employed as a radio technician and is now retired. Jim enjoys contesting and has placed high in statewide and Pacific Division contest results. Jim is currently coordinating the VOTA W1AW/7 and the Nevada portion of the 7th Call Area QSO Party.

The ARRL will be sending out ballots to Nevada ARRL members later this month, and the newly elected Section Manager will be effective for 2 years starting July 1.

CW MENTORED LEARNING PROGRAM

Enrollment in the CW Mentored Learning Program is open for you to sign up and begin your journey to Morse Code mastery. Some recent SNARS enrollees in the program are brand new learners of "the Code", while others want to advance their current level of CW proficiency. Join in on the fun; simply click on the following link <https://snars.org/activities/cw-mentoring/> and fill out the form.

73, Woody K1LB email skywavevoyager@gmail.com

SNARS HAM RADIO NIGHT

3rd Monday of each month at 7PM PT on Zoom
Join together and Elmer each other for Ham Radio
Night on
MONDAY, APRIL 18, 2023, 7PM

The topic smaller breakout groups will be:
**WA1W/7 & 7QP, VHF/UHF ANALOG,
DMR/FUSION, ICOM IC-7300 RADIO**

Each participant can move themselves around to different breakout topics in zoom conferencing to enjoy.



If you have any questions or would like to be of service as an Elmer, please contact K6ST Barry k6st@arrrl.net

Register below for our next Ham Radio Tech Night, SNARS (virtual on Zoom conferencing) Oct. 17, 2022, 7:00PM PST

<https://us06web.zoom.us/meeting/register/tZwtce6uqDgiGtC8uuwK19FlgVSxFe2ID8Hm>

YOUTH INVOLVEMENT

ARRL-Education Calling all Amateur Radio School Clubs... HamSCI needs you!

Hello all,

My name is McKenzie Denton (KO4GLN), and I am a student at Old Dominion University in Norfolk, Virginia. I am also a member of the Ham Radio Science Citizen Investigation (HamSCI) group.

Ham Radio Science Citizen Investigation (HamSCI) would like to invite schools and university-based Amateur Radio Clubs to participate in the Festivals of Eclipse Ionospheric Science (FoEIS). <https://hamsci.org/about-hamsci>

If you have an Amateur Radio Station at your school and operators, you can participate! It is an excellent opportunity to demonstrate the scientific method and have students participate in real-world scientific research. My goal is to identify interested parties, identify any deficiencies and provide technical assistance as needed. **Please reply to this email or register at the HamSCI website if your school is interested in participating in this event.**

The FoEIS consists of two parts: the Solar Eclipse QSO Party (SEQP) and the Gladstone Signal Spotting Challenge (GSSC) aimed at collecting data on ionospheric variability.

- **Solar Eclipse QSO Party (SEQP)** (October 14, 2023; 1200-2200 UTC and April 8, 2024; 1400-2400 UTC)

The SEQP is a ham radio contest for those who wish to make tens, hundreds, or even thousands of CW, SSB, and digital mode QSOs on 160-6 meters during the 2023 and 2024 American solar eclipses. Each QSO will become a valuable data point that will help researchers answer scientific questions about ionospheric variability.

- **Gladstone Signal Spotting Challenge (GSSC)** (October 14, 2023; 1200-2200 UTC and April 8, 2024; 1400-2400 UTC)

The GSSC is a unique event for those who enjoy operating beacons (CW and digital), and the 'propagation study modes' of WSPR and FST4W,

both transmit and receive. Signals generated and received during the GSSC will help researchers with scientific questions about ionospheric variability.

Background

The SEQP and GSSC are part of the [HamSCI Festivals of Eclipse Ionospheric Science](https://hamsci.org/about-hamsci). Members of HamSCI, along with the ham radio community, will be creating data for researchers by transmitting, receiving and recording signals across the HF spectrum. Upon analysis, the data should inform researchers how the ionosphere reacted to the eclipse.

The data will be compared to existing computer models of the ionosphere, potentially improving the accuracy of those models. Researchers will also be looking at how the ionosphere's refractive properties varied during the beginning and ending phases of the eclipses.

Festivals of Eclipse Ionospheric Science (FoEIS) webpage: <https://hamsci.org/eclipse>

Contest FAQs and Rules: <https://hamsci.org/contest-info>

HamSCI website: <https://hamsci.org/about-hamsci>

How to get involved with HamSCI webpage:

<https://hamsci.org/get-involved>

Contest Rules: <https://hamsci.org/node/677>

Best regards,

McKenzie Denton (KO4GLN)

Suffolk, VA

Amateur Extra, ARRL VE

President of the Old Dominion Amateur Radio Club
(ODARC) WAARC, PVRC, LICWC, ODARC

73, Barry K6ST
Nevada Section Youth Coordinator
ARRL (American Radio Relay League)
www.arrl.org



FUN STUFF FOR APRIL

April has NINE (count 'em!) state QSO parties plus two Canadian Province parties! The one ARRL contest is shown in BOLD.

1 Apr 1400 to 2 Apr 0200 1.8-28,50, 144 Louisiana QSO Party CW Ph Dig www.laqp.louisianacontestclub.org

1 Apr 1400 to 2 Apr 0200 1.8-28,50, 144 Mississippi QSO Party CW Ph Dig www.arrlmiss.org

1 Apr 1400 to 2 Apr 2000 1.8-28, V/UHF Missouri QSO Party CW Ph Dig www.w0ma.org

8 Apr 1400 to 9 Apr 0200 1.8-28,50, 144 New Mexico QSO Party CW Ph Dig www.newmexicogsoparty.org

8 1800 9 2359 1.8-28,50 Georgia QSO Party CW Ph RST, www.gagsoparty.com

15 Apr 1300 to 16 Apr 2200 1.8-28, V/UHF Nebraska QSO Party CW Ph Dig www.nebraskagsoparty.com

15 Apr 1600 to 16 Apr 0400 3.5-28 Michigan QSO Party CW Ph www.miqp.org/index.php/rules

15 Apr 1800 to 16 Apr 1800 1.8-28,50, 144 Ontario QSO Party CW Ph www.va3cco.com/ogp/rules.htm

15 Apr 1800 to 16 Apr 1800 1.8-28,50, 144 North Dakota QSO Party CW Ph Dig www.ndarrlsection.com

16 Apr 1200 to 16 Apr 2000 1.8-28,50, 144 Quebec QSO Party CW Ph www.wp1.quebecsoparty.org

16 Apr 1800 to 16 Apr 2359 3.5-28 ARRL Rookie Roundup, SSB www.arrl.org/rookie-roundup

29 Apr 1600 to 30 Apr 2159 7,14,21,28 Florida QSO Party CW Ph RS(T), FL county or SPC www.floridagsoparty.org/rules

Check out the other contests at:

[http://www.arrl.org/files/file/Contest%20Corral/2023/April%202023%20Corral\(1\).pdf](http://www.arrl.org/files/file/Contest%20Corral/2023/April%202023%20Corral(1).pdf)

If you're not into contests, there's always DX to chase! April has a lot of DXpeditions but only a few are really rare. Some of the better ones....

Mar 26 to Apr 09	Niue	E6
Mar 30 to Apr 06	Cape Verde Is	D4NA
Apr 01 to Apr 09	Mayotte	FH
Apr 13 to Apr 28	South Cook Is	E51
Apr 15 to Apr 16	Palau	T88UW
Apr 24 to May 10	Uganda	5X2I
Apr 27 to May 07	Maldives	8Q7KB

Check <https://www.ng3k.com/Misc/adxo.html> for more, and updates on DXpeditions to make sure they're still a go.

RENO QRP SLOW SPEED CW NET

NEXT NET SESSIONS WILL BE April 6 and April 20 at 10 AM Pacific Daylight Time. (Note local time change....ed.) Check with WD7Y@sbcbglobal.net to confirm times. Target frequency 7.045 MHz, if busy search somewhere near that frequency.

THE FOLLOWING SHOULD ALWAYS BE IN YOUR REPORT:

NAME ,RST, LOCATION, RIG, POWER, ANTENNA.

REMEMBER TO INCLUDE RST IN YOUR REPORT

Feel free to add something else in your exchange.

Take some time to report RST for other OP's or anything else that comes to mind.

Sharing information about you and your equipment will accomplish two things.

First It gives you and everybody else practice sending and copying.

Second It is nice to spend time on the air with your friends. Consider this a QRP meeting on the air.

Relax and have some airtime fun with your friends.

73/72 Ed/WD7Y

NAME THAT RIG (from page 8)

This is an R-390, right? WRONG! It is a matching unit to the R-390. This is the **R-389**, a LF and VLF receiver designed and built by Collins, covering 15 to 1500 Khz. Made originally for the US Army starting in 1949, some units made their way to various Navy facilities. Less than 1000 of these great receivers were built. There are two bands on the **R-389**, 15 to 500 Khz, and 500 to 1500 Khz. The **R-389** wasn't built for the broadcast band even though it covers most of it. The maximum bandwidth on the -389 is 8 Khz, so it's definitely not high fidelity! The **R-389** has both mechanical tuning and motorized tuning. Adjustable BFO, selectivity from 0.1 to 8 Khz, switchable AVC, RF and AF gain, all the desirable features on any good communications receiver of its vintage. With 34 tubes, double conversion, and battleship construction, this was a serious communications receiver. And an absolute joy to operate. Yours truly used one at NGR in Greece for CW communications on 500 and 470 Khz. With the advent of the 630 and 2200 meter Amateur bands, **R-389s** are much in demand, being one of the best LF/VLF tube receivers ever built, and when one is found it commands a hefty price.

SNARS SILENT KEYS

In Memory of SNARS members and friends who have passed away recently

N7MSK	Mike Katz	SK November 2022 Reno, NV
K7PTT	Paul Tueller	SK December 2022 Reno, NV
WB6CZG	Bill Keane	SK January 2023 Truckee, CA
KI6TRK	Rob Gillmore	SK January 2023 Truckee, CA
KC7STV	Scott Brink	SK March 2023 Fernley, NV

If you know of a SNARS member or friend of SNARS who has passed away recently, submit it to me WB2AWQ@arrl.net or any Board member for verification and inclusion in this list.

ARES NEWS

EVENTS CALENDAR 2023

Silver State 50/50 race	5/20/23		Silver State Striders	Steve KS6A	ks6a@sbcglobal.net
Stetina Paydirt	5/20/23		John Prouty; Bike Monkey	Bob Miller WA6MTY	wa6mtv@gbis.com
Lost and Found Gravel Grinder SBTS	6/3/23			Larry Trotter KI6YUK	dltrotter@sbcglobal.net
America's Most Beautiful Bike Ride	6/4/23		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Pony Express Re-Ride	6/7/2023	6/17/23	SIERA	Gerry Miller KJ7GEZ	hamsput35@gmail.com
Truckee Tahoe Gravel Race	6/10/23		John Prouty; Bike Monkey	Bob Miller WA6MTY	wa6mtv@gbis.com
Trailblazer Challenge (First event)	6/10/23		Make-A-Wish Foundation	Arlan Robinson KA7ZAU	ka7zau@yahoo.com
Trailblazer Challenge (Second event)	6/24/23		Make-A-Wish Foundation	Arlan Robinson KA7ZAU	ka7zau@yahoo.com
Indian Valley Century Bicycle Ride	TBD			Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Tahoe Rim Trail	7/15/23	7/16/23	Tahoe Mountain Milers	Bob Miller WA6MTY	wa6mtv@gbis.com
Death Ride	7/15/23		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Alta Alpina Challenge	TBD		Alta Alpina Cycling Club	Jennie Hamiter, KE7YBA	jenniehamiter@mac.com
Vegas to Reno Off Road Race	8/16/23	8/20/23	Best in the Desert Racing Assn	Keith KC7HTK	kc7htkeith@hotmail.com
Tour De Tahoe	9/10/2023 ???		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Reno Air-Races	9/10/23	9/17/23	WC-ARES	Bob Miller WA6MTY	wa6mtv@gbis.com
Nevada Day Parade	10/28/23		NV AREA NW DEC	Tom Tobacco KE7NCJ	smokey5880@gmail.com
Scheels Turkey Trot	11/23/23		WC-ARES	Bob Miller WA6MTY	wa6mtv@gbis.com

Saturday April 1st we are holding ANOTHER WINLINK WORKSHOP. A valuable tool in an emergency.

(This is your workshop. Choose what you want to do and we will help)

We need more Hams using Winlink Express

A. TELNET (internet) TRAINING

Bring your Laptop with Winlink installed and register your call sign.

https://www.winlink.org/content/winlink_book_knowledge

Someone can sit with you and answer questions.

B. ON AIR TRAINING (Winlink Packet) (Winlink VARA)

Should already be using Winlink Telnet.

Bring a radio and TNC that has already been tested for packet (preferred but not mandatory).

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COMMUNICATIONS EVENT NOTICE: Date Change for Truckee Tahoe Gravel Bike race is July 1st.

Bob WA6MTY

Bob Miller WA6MTY
Emergency Coordinator for Washoe County
Amateur Radio Emergency Service
CERT Volunteer
775 843-5952
www.wcares.us



Board of Directors Meeting Minutes

March 8, 2023- Approx 6:00PM

Chin Chin, Sparks & Via Zoom

1. Call to order and roll call at 6:00 PM

Board of Directors:

Barry Bettman, K6ST Z
Anthony Marcin, W7XM Z
Brian Verhalen, KJ6EAC P

John Byerly, N7ROJ Z
Krystal Nelson, AJ6GC P

Doug Edmondo, W7DBE Z
Jim Shepherd, W6US P

Guest(s) In attendance:

Chuck Farnham WD6CHC, Bob Nelson KA6NSN, Woody Brown K1LB

2. Approval of Minutes - Discussion/Action

Approve February 2023 Meeting Minutes, Doug Edmondo Motioned, Krystal Nelson Second. Approved

3. Approval of Agenda - Discussion/Action

Approve Agenda, John Byerly, Motioned, Jim Shepherd Second, Approved

4. Reports

A. President's Report,

1. Barry discussed the general announcement about attending meetings and to not attend if feeling ill.
 2. Barry discussed the New Ham Orientation which moved to Zoom due to weather. 25 people attended. April will be held in person.
 3. Barry discussed the 5 day expo at the end of March Beginning April and those helping with the event. A form is now online for those to register to help out. Wes will operate the Noon Net from the booth.
 4. Discussed the Mark Twain Days in April in Carson City. W1AW will be operated during this time for a couple hours. 10 Meter Phone on Saturday, 15 meter Data on Sunday.
- Volunteering is increasing due to the new additional events.

B. Secretary Report

Tony Reported the current membership totals, 411 members and the updating of the secretary of site information for the club in May.

C. Treasurer

1. February ending balances reported by Doug. Same numbers as reported in the Newsletter in February.
2. Amazon smile is ending and will send final donations as it winds down.
3. Looking at using ZipBooks to transition from Aplos due to cost savings.

D. Technical Team

1. John Byerly provided updates on the sites and access, snow depths are too much and will need to wait to access sites.
2. Tony discussed the issues around the Cbridge and is now resolved.

E. Control Operators / Trustee

No Reports.

F. Events

1. Jim Reported working on the Field Day Computers for June.
2. W1AW Discussions amongst the board and usage of 2m/440 simplex for contacts.

G. Education & Youth Activities

1. Kids day 3rd Saturday in June.
2. Possible activity for Kids at Rodeo. 3rd Weekend in June.

H. SNARS Noon Net and SNARS Digital Net

1. Wes reported on the net activity, increasing in activity.
2. Barry reported on Digital Net.

5. Old Business

A. Member Appreciation Picnic - May 21, 2023 - Barley Ranch (Flying B)

1. Sent a check to the County to reserve the group area and where cashed.
2. Discussed about putting a form together for a committee to help organize, food, activities.

B. Field Day 2023

John discussed future planning and put together a team to organize the field day preparations for 2023.

C. SNARS Volunteers

No report on this at this time.

D. Club Self Insurance Limits

Doug, reporting it is holding at 17,000. Will replace funds as it is used.

E. Possible Purchase of Repeaters for 2023

Sierra Electronics will be holding two repeaters for us when they come in.

F. Club Swag

Ordering more T-shirts. Look into CustomInk and other sources.

6. New Business

Morse Code (CW) Mentoring Program - Woody Brown K1LB Presenting
K1LB Discussed / Presented on CW learning and mentoring program.

7. Board member and Public Comments

During this time members and board of directors may speak on any topic regardless if the item was agendaized.

8. Adjournment - Action

- A. Next Meeting: April 12th, 2023 at 6:00PM
- B. Call For Adjournment. Adjourned at 7:18pm